

PROCESS FOR MICRO-GROOVING A POLYMER ALIGNMENT LAYER FOR A LIQUID CRYSTAL DISPLAY

ABSTRACT OF THE DISCLOSURE

A process is disclosed for imprinting microgrooves in a polymer layer to create an alignment layer for a liquid crystal display. In one embodiment, the process comprises providing a transparent substrate having a polymer film applied on one side thereof, providing a tool having a contact surface, the contact surface having a plurality of microgrooves formed thereon, and pressing the contact surface against the polymer film. Additional embodiments are also disclosed and claimed.